

MAY 01 1987

Date

State of Illinois

Dept. & Div. ILL EPA-MPCP

Inspector

Date 4/23/87
(Signature) Gay L. MonteMine Name FIDELITY #11

Mine Company

FREEMAN UNITED COAL COMPANY

IEPA

M & M

Permit No. IL0000302

Permit No.

County

PERRYGeneral Location Approx 5 miles west of DuQuoinArrival Time 10 am Weather Conditions COOL, WINDY, CLOUDY, RAINY

RECLAMATION TYPE (Check Appropriate Type)

Mine Includes Prime Land Yes/ NoSteep Slope Rule Applies Yes/ NoCoal Preparation Yes/ NoNot Applicable —Reason for Visit: ROUTINE

Persons Contacted:

Bill SmithGLEN HAMILTONDAN WILD

PARAMETER CHECKLIST

1. Availability of: A — permits B — Plans
2. Imminent Danger to Public Health and Safety —
3. Significant Imminent Environmental Harm —
4. Signs and Markers: A. mine entrance B. perimeter C. blasting D. topsoil E. perimeter observance 1. 100' zone 2. 300' zone F. permit area correlation G. not investigated H. not applicable
5. Disposal Spoil and Waste Material Outside Pit or Direct Cast Site: (A) gob disposal
 1. site capacity 2. covering 3. vegetation B. within permit area C. site approved
 - D. slope of site E. steep slope rules F. valley fill or head of hollow fills:
 1. permit area 2. location near ridge top 3. fill design 4. fill construction
 5. steep slope rules 6. under drains 7. lateral drains 8. controlled placement
 9. engineer inspection G. not investigated H. not applicable
6. Soil Handling: A. removal before other disturbance B. storage C. protection
 - D. thickness E. root medium F. other overburden G. toxic material handling
 - H. root medium satisfactory for top soil replacement (slope, thickness, texture)
 - I. topsoil replaced J. grading current K. rills and gullies L. erosion control systems M. timely revegetation and mulching (D) not investigated O. not applicable
7. Prime Land: A. prime land determination B. soil horizon removal prior to other disturbance C. thickness removed D. approved horizon storage E. protection of stockpiles F. horizon replacement and thickness G. protection of replaced horizons H. grade (D) not investigated J. not applicable
8. General Water Quality and Hydrology: (A) waterways 1. unaffected area drainage diverted (C) affected area drainage ditches and berms 3. system maintenance (B) grading (C) vegetation D. toxic material E. horizontal boreholes (F) sediment ponds: 1. size 2. structure 3. spillway 4. clean out 5. over 20' high or over 20 acre feet storage (— yes/— no) 6. seepage 7. structural weakness 8. discharge structure 9. chemical treatment system 9. (a). permitted — yes/— no G. discharge water quality H. buffer zone (100') observance I. zone markers (A) NPDES permits required ✓ yes/— no K. water quality L. not investigated M. not applicable

☐ TEMPORARY REPORT☒ FINAL REPORT

Mine Name Fidelity*

9. Stream Channel or Other Water Diversion: (A) temporary or permanent B. size adequacy C. stability D. gradient E. grade stability F. suspended solids G. sediment control H. channel design I. erosion control structures J. fish and wildlife protection K. vegetation L. removal of temporary structures M. structure removal procedures N. not investigated O. not applicable
10. Road Hydrology: (A) culverts (B) ditches C. location choice D. grade E. stream closeness F. ditch relief drains G. outslope drains H. construction material toxic/ non-toxic I. maintenance J. railroad spur hydrology K. vegetation L. not investigated M. not applicable
11. Impoundment Structures: A. M.H.S.A. construction observance B. coal waste in structure C. freeboard D. stability E. seepage F. engineer inspection G. dam marker H. maintenance I. ditch and spillways J. changes in geometry of structure (K) not investigated L. not applicable
12. Steep Slope Procedure: A. spoil on outslope B. debris C. highwall removal D. disturbance above highwall E. excess spoil F. instability of spoil and woody material G. not investigated (H) not applicable
13. Preparation Facility (includes crushing and screening): (A) water circuit 1. open system 2. closed system 3. no water circuit (B) slurry impoundment (1) berm stability a.) seepage b.) vegetative cover c.) freeboard 2. acid producing potential C. not investigated D. not applicable
14. Domestic Wastewater Treatment Facilities: A. type of system 1. activated sludge package plant 2. lagoon - sandfilters 3. septic tank w/sand filters 4. other B. sand filter maintenance 1. weeds 2. raking 3. sand replacement C. chlorination D. certified operator (E) not investigated F. not applicable

LEGEND: O = parameter inspected: \emptyset = comment or question on the parameter

NOTE: Items circled were considered during this investigation. If nothing under a major item was investigated, circle either "not investigated" or "not applicable". Violation means violation or apparent violation.

NO VIOLATIONS FOUND✓ SEE ATTACHMENT

Indicated Parameter

Comments or Action Taken

Check Column

No.	Vio- lation	Non-Vio- lation
Gen Comm	✓	
85A		✓
8A		✓
8F		✓
8J		✓
9A		✓

ATTACHMENT

Freeman United Coal Company
Fidelity #11
April 23, 1987

General Comments: During the investigation, I spoke with Glen Hamilton, Reclamation Supervisor, in regard to the soil stockpile located just south of the plug in Youngs Creek. During my last investigation, I observed that a small soil stockpile did not have the surface runoff water from it controlled; the runoff water would flow directly into Youngs Creek. This situation was addressed as a violation in the General Inspection Report. Mr. Hamilton said that the soil stockpile was of a temporary nature and would not stay in its present location long. I told Mr. Hamilton that all affected area surface runoff water must pass through a sedimentation pond prior to being released into waters of the State. Mr. Hamilton said that during construction, neither the Office of Surface Mining nor the Illinois Department of Mines and Minerals has the same requirement. I suggested to Mr. Hamilton that he should become familiar with all of the rules and regulations governing coal mine facilities.

I observed that the soil stockpile had been removed, however the barren ground where the soil stockpile was formerly located needs to be vegetated and/or stabilized. If a rain event occurs, the surface runoff would still report directly to Youngs Creek, therefore the aforementioned violation is still valid.

I observed two areas where a large accumulation of domestic garbage has occurred. One area was approximately 75 yards west of the sign for the #2 lateral entrance and the other area was approximately 150 yards north of the #1 lateral entrance sign. Both garbage locations were along the eastern side of the site. I spoke with Dan Wild, General Superintendent, in regard to the clean-up of the garbage. Mr. Wild made immediate arrangements to have the garbage picked up and disposed of properly.

5A: I observed the refuse disposal area which appears to be progressing toward the west. I told Mr. Hamilton that it appeared to me that the refuse material may have been placed off of the designated disposal area to the southwest. Mr. Hamilton assured me that the authorized disposal area was even larger than what was presently observed.

8A: I observed the drainage patterns and waterways of the site and except for the area noted under General Comments, it appears that all surface runoff water will report to a sedimentation pond prior to entering waters of the State.

8F: During this visit both outfalls (002 and 006) were discharging. The effluent waters appeared clear therefore no samples were obtained.

8J: This site is permitted under NPDES Permit IL0000302. Note: All DMR's have been submitted in accordance with permit conditions.

I spoke with Mr. Hamilton whom said that a violation of effluent standards had occurred last February and that the non-compliance was not noted until it was time to submit DMR's. Mr. Hamilton said he has prepared a letter of non-compliance which I viewed and will be sending it via certified mail on the following day. I reminded Mr. Hamilton of the non-compliance reporting procedures and I suggested that perhaps more time should be taken in reviewing lab analyses of water samples.

9A: The water channel that delivers water flow from outfall 006 offsite, appeared well stabilized. Mr. Hamilton said that the areas surrounding the ditch have recently been reseeded which was evidenced by a vegetative growth.



Gary L. Minton
Environmental Protection Specialist

GLM:cs/A29

cc: MPCP/FOS/Marion
IDMM